

Amendments to the Claims:

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

1-32. (Cancelled).

33. (Currently Amended) An optoelectronic display device of high brightness and high contrast comprising at least ~~one~~ two thin photoluminescent layers having unequal photoemission or absorption spectra or both, wherein said at least two thin photoluminescent layers that is are characterized in a high degree of polarization in ~~its~~ their absorption and ~~that is are~~ characterized in an emission which is either polarized or not, wherein said layers ~~has~~ have a thickness of less than about 1 mm and a dichroic ratio in ~~its~~ their absorption of more than about 5, and
said thin photoluminescent layers ~~comprises~~ comprising one or more at least partially conjugated oligomers or one or more at least partially conjugated polymers or both.

34. (Currently Amended) An optoelectronic display device according to claim 33, wherein said photoluminescent layers have ~~layer has~~ a dichroic ratio in its emission of more than about 5.

35. (Currently Amended) A display device according to claim 33, wherein said display device additionally comprises at least one electrooptical light valve,
said photoluminescent layers being located between the viewer and said electrooptical light valve, or
said photoluminescent layers being located between the viewer and said photoluminescent layer, or
said photoluminescent layers being located inside said electrooptical light valve.

36. (Previously presented) A display device according to claim 35, wherein said electrooptical light valve includes a liquid crystal cell having a liquid crystal layer which is electrically switchable.

37. (Currently Amended) A display device according to claim 33, wherein said device comprises a polarizer selected from the group consisting of absorbing polarizer, scattering polarizer and reflecting polarizer,

said polarizer being located between said photoluminescent layers and the viewer, or said photoluminescent layers being located between the viewer and said polarizer.

38. (Currently Amended) A display device according to claim 35, wherein said photoluminescent layers are is located between the viewer and said electrooptical light valve.

39. (Currently Amended) A display device according to claim 35, wherein said electrooptical light valve is located between the viewer and said photoluminescent layers.

40. (Cancelled).

41. (Currently Amended) A display device according to claim 33, wherein said thin photoluminescent layers have ~~layer has~~ a thickness of less than 300 μm .

42. (Currently Amended) A display device according to claim 33, wherein said thin photoluminescent layers have ~~layer has~~ a thickness of less than 50 μm .

43. (Currently Amended) A display device according to claim 33, wherein said thin photoluminescent layers have ~~layer has~~ a thickness of less than 10 μm .

44. (Currently Amended) A display device according to claim 33, wherein said thin photoluminescent layers have ~~layer has~~ a dichroic ratio in ~~its~~ their absorption of more than 10.

45. (Currently Amended) A display device according to claim 33, wherein said thin photoluminescent layers have ~~layer has~~ a dichroic ratio in ~~its~~ their absorption of more than 20.

46. (Currently Amended) A display device according to claim 33, wherein said thin photoluminescent layers have ~~layer has~~ a dichroic ratio in ~~its~~ their emission of more than 15.

47. (Currently Amended) A display device according to claim 33, wherein said thin photoluminescent layers have ~~layer has~~ a dichroic ratio in ~~its~~ their emission of more than 35.

48. (Currently Amended) An optoelectronic display device of high brightness and high contrast comprising at least one thin photoluminescent layer that is characterized in a high degree of polarization in its absorption and that is characterized in an emission which is either polarized or not, wherein said layer has a thickness of less than about 1 mm and a dichroic ratio in its absorption of more than about 5, and

said thin photoluminescent layer comprises one or more at least partially conjugated oligomers or one or more at least partially conjugated polymers or both, wherein said display device additionally comprises at least one electrooptical light valve, said photoluminescent layer being located inside said electrooptical light valve.

49. (Currently Amended) A display device according to claim ~~35~~ 48, wherein said thin photoluminescent layer is located inside said electrooptical light valve and acts as orientation layer.

50. (Previously presented) A display device according to claim 33, wherein said thin photoluminescent layers are patterned.

51. (Previously presented) A display device according to claim 33 that is characterized in that said device comprises multiple elements, pixels or arrays thereof of said photoluminescent layers.

52. (Previously presented) A display device according to claim 35 that is characterized in that said device comprises multiple electrooptical light valves.

53. (Currently Amended) A display device according to claim 33, wherein said display device further comprises a light source and wherein said light source is characterized in that its emission spectrum overlaps with the absorption spectrum of said photoluminescent layers.

54. (Currently Amended) A display device according to claim 33 that additionally comprises at least one dichroic mirror, said photoluminescent layers being located between said at least one dichroic mirror and the viewer.

55. (Currently Amended) A display device according to claim 33, wherein said thin photoluminescent layers are is obtained by a technique selected from the group consisting of tensile orientation, oriented growth, friction, photo-induced alignment and alignment in electric, magnetic and flow fields or combinations thereof, of photoluminescent substances.

56. (Cancelled).

57. (Currently Amended) A display device according to claim 33, wherein said ~~oligomer or polymer~~ comprises oligomers or polymers comprise one or more unsubstituted or substituted phenyleneethynylene moieties wherein said moieties may be the same or different at each occurrence.

58. (Previously presented) A display device according to claim 33, wherein said device has a viewing angle of 160 degrees or more or a brightness of 50 cd/m² or more, or both.

59-64. (Cancelled).